

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Maertens

Atty. Ref.: **620-149**

Continuation of Serial No. **09/308,935**

Group:

Filed: **July 9, 2001**

Examiner:

For: **PEPTIDE ANTAGONISTS OF DP TRANSCRIPTION
FACTORS**

* * * * *

July 9, 2001

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

REQUEST

The Office is requested to use the computer-readable copy of the Sequence Listing from the parent Application No. 09/308,935. The attached paper copy of the Sequence Listing is the same as the paper and computer-readable copies of the Sequence Listing filed in the parent Application No. 09/308,935, with the Letter dated December 23, 1999. No new matter has been added.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____



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SEQUENCE LISTING

<110> La Thangue, Nicholas B
Bandara, Lasantha R

<120> Peptide antagonists of DP transcription factors

<130> 620-67

<140> US 09/308,935
<141> 1999-05-27

<150> PCT/GB97/03506
<151> 1997-12-22

<150> GB 9626589.7
<151> 1996-12-20

<160> 18

<170> PatentIn Ver. 2.1

<210> 1

<211> 37

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

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Lys Asn Ile Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala
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Met Asn Ile Ile Ser Lys Glu Lys Lys Glu Ile Lys Trp Ile Gly Leu
20 25 30

Pro Thr Asn Ser Ala
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<223> Description of Artificial Sequence: Synthetic

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Asn Val Leu Met Ala Met Asn Ile Ile
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<223> Description of Artificial Sequence: Synthetic

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Ile Ser Lys

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<211> 20
<212> PRT
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Lys Trp Ile Gly
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<210> 5
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

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Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Ser
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<210> 6
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

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Tyr Asp Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Ser Lys Glu
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Lys Lys Glu Ile Lys Trp Ile Gly Leu Pro Thr Asn Ser Ala
20 25 30

<210> 7
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<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 7
Ala Leu Asn Val Leu Met Ala
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<210> 8
<211> 16
<212> PRT
<213> Drosophila melanogaster

<400> 8
Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
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<210> 9
<211> 11
<212> PRT
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 9
Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu
1 5 10

<210> 10
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 10
Glu Lys Lys Glu Ile Lys Trp Ile Gly Leu Pro Thr Asn Ser Ala
1 5 10 15

<210> 11
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic

<400> 11
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1 5 10

<210> 12
<211> 12
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic

<400> 12
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<210> 13
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<212> PRT
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<223> Description of Artificial Sequence: Synthetic

<400> 13
Asn Leu Val Gln Arg Asn Arg Gln Ala Glu Gln Gln Ala Arg Arg
1 5 10 15

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<212> PRT
<213> Artificial Sequence

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<400> 14
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1 5 10 15

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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Mutant peptide

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Arg Arg Arg Ala Tyr Asp Ala Leu Asn Ala Leu Met Ala Met Asn Ile
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Ile Ser Lys

<210> 16
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Mutant peptide

<400> 16
Arg Ala Arg Val Tyr Ala Ala Leu Asn Val Leu Met Ala Met Asn Ile
1 5 10 15

Ile Ser Lys

<210> 17
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<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Mutant peptide

<400> 17

Arg Arg Arg Val Tyr Asp Ala Arg Asn Val Arg Met Ala Met Asn Ile
1 5 10 15

Ile Ser Lys

<210> 18
<211> 30
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide

<400> 18
cgtgtctacg atggcgaaaa tgtgctaatg

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

(A) NAME: Prolifix Limited
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(E) COUNTRY: United Kingdom
(F) POSTAL CODE (ZIP): OX14 4RY

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Davidson Building, University of Glasgow
(C) CITY: Glasgow
(E) COUNTRY: United Kingdom
(F) POSTAL CODE (ZIP): G12 8QQ

(A) NAME: BANDARA, Lasantha Ranasinghe
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(C) CITY: Abingdon
(D) STATE: Oxfordshire
(E) COUNTRY: United Kingdom
(F) POSTAL CODE (ZIP): OX14 4RY

(ii) TITLE OF INVENTION: Peptide antagonists of DP transcription factors

(iii) NUMBER OF SEQUENCES: 18

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

(v) CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/GB97/03506

(vi) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: GB 9626589.7
(B) FILING DATE: 20-DEC-1996

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 37 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Lys Asn Ile Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala
1 5 10 15

Met Asn Ile Ile Ser Lys Glu Lys Lys Glu Ile Lys Trp Ile Gly Leu
20 25 30

Pro Thr Asn Ser Ala
35

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 9 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Asn Val Leu Met Ala Met Asn Ile Ile
1 5

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala Met Asn Ile
1 5 10 15

Ile Ser Lys

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

Asn Val Leu Met Ala Met Asn Ile Ile Ser Lys Glu Lys Lys Glu Ile
1 5 10 15

Lys Trp Ile Gly
20

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Ser
1 5 10 15

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

Tyr Asp Ala Leu Asn Val Leu Met Ala Met Asn Ile Ile Ser Lys Glu
1 5 10 15

Lys Lys Glu Ile Lys Trp Ile Gly Leu Pro Thr Asn Ser Ala
20 25 30

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 7 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

Ala Leu Asn Val Leu Met Ala
1 5

(2) INFORMATION FOR SEQ ID NO: 8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
1 5 10 15

(2) INFORMATION FOR SEQ ID NO: 9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 11 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

Arg Arg Arg Val Tyr Asp Ala Leu Asn Val Leu
1 5 10

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 15 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

Glu Lys Lys Glu Ile Lys Trp Ile Gly Leu Pro Thr Asn Ser Ala
1 5 10 15

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 14 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

Arg Arg Val Tyr Asp Ala Leu Asn Val Leu Met Ala Met Asn
1 5 10

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

Asn Glu Ser Ala Tyr Asp Gln Lys Asn Ile Arg Arg
1 5 10

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 15 amino acids

- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

Asn Leu Val Gln Arg Asn Arg Gln Ala Glu Gln Gln Ala Arg Arg
1 5 10 15

(2) INFORMATION FOR SEQ ID NO: 14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 15 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

Glu Val Glu Arg Gln Arg Arg Leu Glu Arg Ile Lys Gln Lys Gln
1 5 10 15

(2) INFORMATION FOR SEQ ID NO: 15:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

Arg Arg Arg Ala Tyr Asp Ala Leu Asn Ala Leu Met Ala Met Asn Ile
1 5 10 15

Ile Ser Lys

(2) INFORMATION FOR SEQ ID NO: 16:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:

Arg Ala Arg Val Tyr Ala Ala Leu Asn Val Leu Met Ala Met Asn Ile
1 5 10 15

Ile Ser Lys

(2) INFORMATION FOR SEQ ID NO: 17:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:

Arg Arg Arg Val Tyr Asp Ala Arg Asn Val Arg Met Ala Met Asn Ile
1 5 10 15

Ile Ser Lys

(2) INFORMATION FOR SEQ ID NO: 18:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

CGTGTCTACG ATGGCGGAAA TGTGCTAATG

30